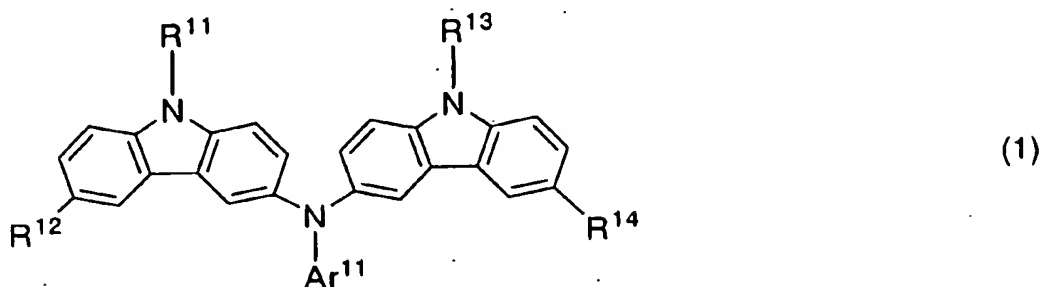


CLAIMS

1. A carbazole derivative represented by a general formula (1):

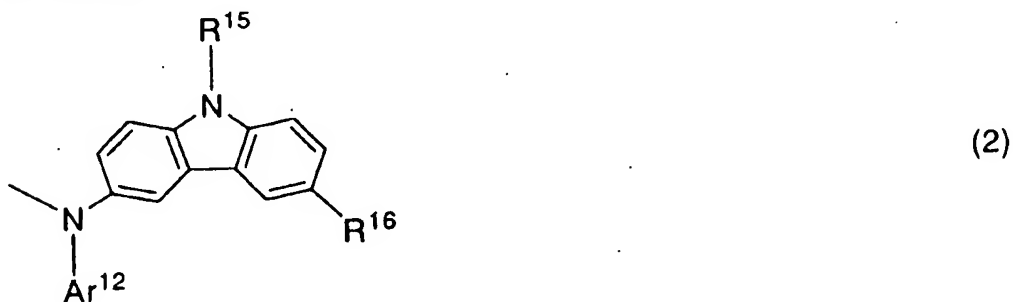


5 wherein at least one of R^{11} and R^{13} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, or an acyl group having 1 to 7 carbon atoms,

10 wherein Ar^{11} represents an aryl group having 6 to 25 carbon atoms or a heteroaryl group having 5 to 9 carbon atoms,

 wherein R^{12} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, or an aryl group having 6 to 12 carbon atoms,

15 wherein R^{14} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 12 carbon atoms, or a substituent shown by the general formula (2),



 wherein R^{15} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an aryl alkyl group, or an acyl group having 1 to 7 carbon atoms,

20 wherein Ar^{12} represents an aryl group having 6 to 25 carbon atoms, or a

heteroaryl group having 5 to 9 carbon atoms, and

wherein R¹⁶ represents hydrogen, an alkyl group having 1 to 6 carbon atoms, or an aryl group having 6 to 12 carbon atoms.

5 2. The carbazole derivative according to Claim 1, wherein at least one of R¹¹ and R¹³ is an aryl group having 6 to 25 carbon atoms, or a heteroaryl group having 5 to 9 carbon atoms.

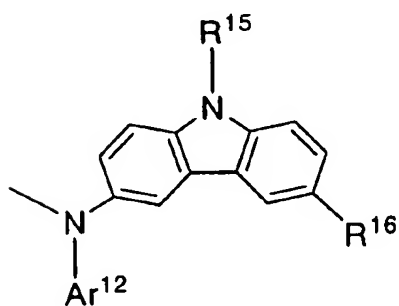
10 3. The carbazole derivative according to Claim 1, wherein R¹¹ and R¹³ are the same.

4. The carbazole derivative according to Claim 1, wherein at least one of R¹¹ and R¹³ is phenyl.

15 5. The carbazole derivative according to any one of Claims 1 to 3, wherein R¹² represents hydrogen, *tert*-butyl, phenyl, or biphenyl.

6. The carbazole derivative according to any one of Claims 1 to 4, wherein R¹⁴ represents hydrogen, *tert*-butyl, phenyl, or biphenyl.

20 7. The carbazole derivative according to any one of Claims 1 to 5, wherein R¹⁴ is a substituent represented by a general formula (2)



(2)

8. The carbazole derivative according to Claim 6, wherein R^{15} represents an aryl group having 6 to 25 carbon atoms, or a hetero aryl group having 5 to 9 carbon atoms.

5 9. The carbazole derivative according to Claim 6 or 7, wherein R^{16} represents hydrogen, *tert*-butyl, phenyl, or biphenyl.

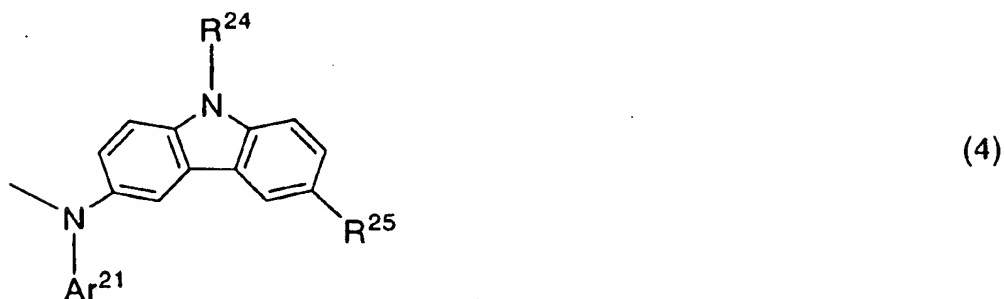
10. A carbazole derivative represented by a general formula (3):



10 wherein R^{21} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, or an acyl group having 1 to 7 carbon atoms,

wherein R^{22} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, or an aryl group having 6 to 12 carbon atoms,

15 wherein R^{23} represents a substituent shown by the general formula (4),



wherein R^{24} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an aryl alkyl group, or an acyl group having 1 to 7 carbon atoms,

20 wherein Ar^{21} represents an aryl group having 6 to 25 carbon atoms, or a heteroaryl group having 5 to 9 carbon atoms, and

wherein R^{25} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, or an aryl group having 6 to 12 carbon atoms.

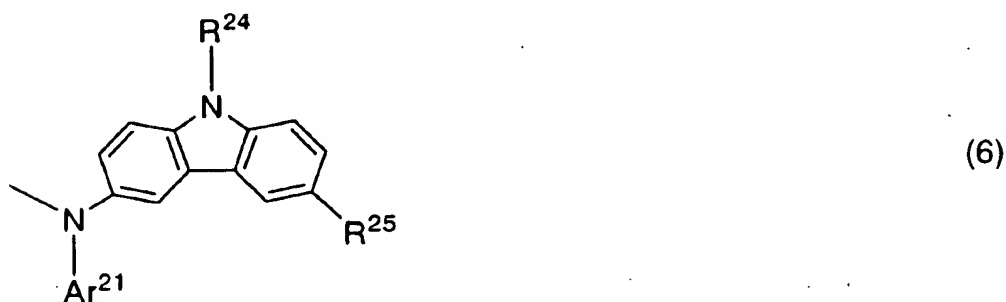
11. The carbazole derivative according to Claim 9, wherein R^{22} represents hydrogen, *tert*-butyl, phenyl, or biphenyl.

12. A carbazole derivative represented by a general formula (5):



wherein R^{21} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, and an arylalkyl group, or an acyl group having 1 to 7 carbon atoms,

wherein R^{22} and R^{23} represent a substituent represented by the general formula (6),



wherein R^{24} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, or an acyl group having 1 to 7 carbon atoms,

wherein Ar^{21} represents an aryl group having 6 to 25 carbon atoms, or a heteroaryl group having 5 to 9 carbon atoms, and

wherein R^{25} represents hydrogen, an alkyl group having 1 to 6 carbon atoms, or a heteroaryl group having 6 to 12 carbon atoms.

13. The carbazole derivative according to Claim 11, wherein R^{25} represents hydrogen, *tert*-butyl, phenyl, or biphenyl.

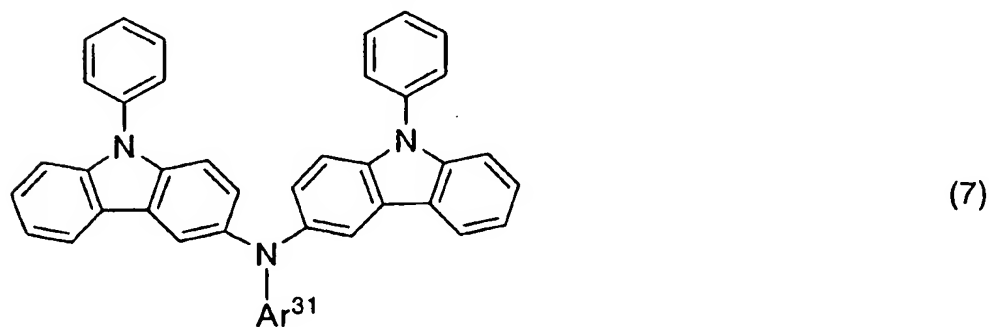
5 14. The carbazole derivative according to any one of Claims 9 to 12, wherein R^{24} represents an aryl group having 6 to 25 carbon atoms, or a hetero aryl group having 5 to 9 carbon atoms.

10 15. The carbazole derivative according to any one of Claims 9 to 12, wherein R^{24} is phenyl.

15 16. The carbazole derivative according to any one of claims 9 to 14, wherein R^{21} represents an aryl group having 6 to 25 carbon atoms, or a hetero aryl group having 5 to 9 carbon atoms.

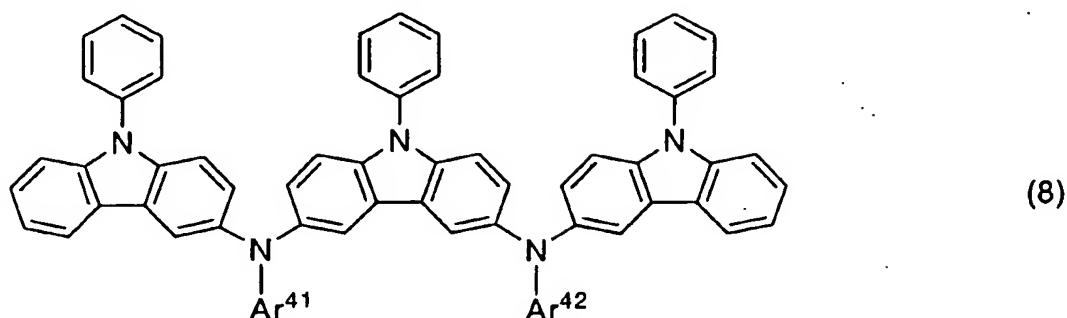
17. The carbazole derivative according to any one of claims 9 to 14, wherein R^{21} is phenyl.

18. A carbazole derivative represented by a general formula (7):



wherein Ar^{31} represents phenyl or naphthyl.

19. A carbazole derivative represented by a general formula (8)



wherein Ar⁴¹ and Ar⁴² each are the same or different and represents one of phenyl and naphthyl.

- 5 20. A light-emitting element comprising:
 an anode;
 a cathode; and
 a layer including a luminescent substance between the anode and the cathode,
 wherein the layer including a luminescent substance comprises the carbazole
 10 derivative according to any one of Claims 1 to 18.
21. The light-emitting element according to Claim 19, wherein the carbazole
 derivative is included in a layer which is in contact with the anode.
- 15 22. The light-emitting element according to Claim 19, wherein the carbazole
 derivative is included between the anode and a layer having a light-emitting layer which
 is included in the layer including a luminescent substance.
23. The light-emitting element according to Claim 19, wherein the carbazole
 20 derivative is included in a light-emitting layer which is included in the layer including a
 luminescent substance.
24. A light-emitting device having the light-emitting element according to any
 one of Claims 19 to 22.